

APPENDIX C

**ENVIRONMENTAL STUDIES
MAY 1982**

**PACNORWESTBRO Silverdale, 1982, Environmental Engineering
Survey, Navy and Marine Corps Reserve Center, Tacoma, Washington.**



ENVIRONMENTAL ENGINEERING SURVEY

NAVY AND MARINE CORPS RESERVE CENTER

TACOMA, WASHINGTON

UIC 62135

MAY 1982

CODE 1143
NORTHWEST ENVIRONMENTAL SECTION
DEPARTMENT OF THE NAVY
WESTERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
SAN BRUNO, CALIFORNIA 94066

ACTSURVEY
WESTW
62135

7 May 1982

CDR. R. G. LUK'TZ, USNR - Commanding Officer
HMCS LUSSENDEN - Executive Officer
HTC WHITE - Admin. Officer
MR. RON SHELTON - Utility System Operator

b. Potable Water System

(1) Potable water is purchased by the Reserve Center from the City of Tacoma, Washington. The potable water enters the Reserve Center complex via a 6" main with appropriate water meter located just the other side of Reserve Center fence line. Average potable water consumption is approximately 1,000,000 gallons/month. Lateral take-offs include a 3" line for lawn sprinkling, 2½" line to the administration building, 1½" line to the shops area and a 1" line to the automotive wash rack. The 6" main, as it passes through the Reserve Center narrows to a 2½" line which feeds the boiler plant (where it is metered) and out onto the pier (also metered) where it feeds 1 DD and 2 MSOs which are home-ported at the Reserve Center.

(2) A potable water monitoring program does not exist at the Reserve Center. Although State of Washington Department of Social and Health Services (DSHS) Rules and Regulations of the State Board of Health Regarding Public Water Systems (WAC-248-54) apply generally only to the potable water purveyor (City of Tacoma in this case) the Reserve Center should establish a program to monitor their potable water for coliform bacteria and chlorine residual. The Navy Regional Medical Center, Bremerton Washington is certified by the State of Washington DSHS to perform the bacteriological analysis at no cost and the measurement for chlorine residual can be accomplished by the activity, in a matter of minutes, with a field kit. The Navy's commercial laboratory contract with Water Management Associates, Inc., located @ 6001 - McKinley Ave, Tacoma, Washington can also analyze the potable water sample for coliform bacteria at a cost of \$5.00 per sample. Frequency of monitoring should be no less than once/month for coliform bacteriological analysis and daily for chlorine residual analysis.

c. Water Pollution Control

(1) The Reserve Center sanitary sewage is discharged to the City of Tacoma sanitary sewer system. No problems were observed with the sanitary sewer system at the Reserve Center itself, however it was verbally mentioned that on occasion the homeported DD does not connect its Collection, Holding, Transfer (CHT) sewage wastewater system to the Reserve Center pier sanitary sewer system which is connected to the Reserve Center sanitary sewer system. This results in the discharge of raw sewage into the Hylebos Waterway, in direct violation of OPNAVINST 6240.3E, Chapter 8, Part 2, paragraph 8201 (b).

(2) The automotive washrack drain is connected to the Reserve Center storm sewer system with resultant direct discharge into Hylebos Waterway. This is in direct violation of OPNAVINST 6240.3E, Chapter 5, Part 2, paragraph 5201 (a) as well as the Federal Water Pollution Control Act (PL 92-500) as amended which requires a wastewater discharge permit for all wastewater discharges from point sources ashore into navigable waters. This condition

ENVIRONMENTAL ENGINEERING SURVEY
NAVAL & MARINE CORPS RESERVE CENTER
TACOMA, WASHINGTON

7 May 1982

1. PURPOSE.

a. Naval activities have a legal obligation to comply with all Federal environmental protection regulations unless specifically exempted, and with substantive and procedural requirements of State and local environmental laws.

b. This Environmental Engineering Survey is made in accordance with NAVFACINST 5450.19B, to assist the activity in meeting the responsibilities to protect the environment and has the following objectives:

- (1) To assure that facilities and operations are environmentally acceptable.
- (2) To identify sources of pollution originating from Navy activities.
- (3) To assist activities in the development of corrective actions where needed.
- (4) To satisfy the requirements set forth in OPNAVINST 6240.3E to provide a periodic report of deficiencies to major claimants and to CNO (OP-45).

2. SCOPE OF SURVEY.

a. An Environmental Engineering Survey consists of an on-site visit to an activity by qualified engineers to identify environmental deficiencies. The survey is followed by a written report to the activity listing any deficiencies noted, along with recommended corrective measures. Reports also contain statements certifying whether the activity complies with all applicable environmental regulations.

b. In general, OSHA or public health problems are not within the definition of environmental deficiencies covered by this survey. However, observed deficiencies may be noted in the report.

c. Where identified problems have ready solutions based on the engineer's knowledge and experience, they are recommended in this report. Detailed engineering studies and evaluations to develop solutions are not within the scope of the survey, however, the identification of the need for detailed investigations, along with a recommendation on how to initiate such investigations, are provided as necessary in the report.

3. DISCUSSION.

a. The undersigned visited the activity on 25 February 1982 and contacted the following personnel during the conduct of this survey:

7 May 1982

should be modified such that the washrack drain is connected to the Reserve Center sanitary sewer system.

d. Air Pollution Control

(1) The Reserve Center has two certified, operational boilers of approximately 6.0 MBTU/HR rated capacity. The primary fuel utilized is natural gas with No. 2 diesel as the back-up fuel. There were no observed air emission problems.

(2) Minor boiler system rehabilitation/patchwork was observed in progress. It is pointed out that the local Puget Sound Air Pollution Control Agency (PSAPCA) has been delegated the authority to enforce the federal National Emission Standards for Hazardous Air Pollutants (NESHAPS) and they require that a notification document be sent to them for friable asbestos de-lagging/rip-out operations. A copy of the notification document is included as Appendix A to this survey. All future asbestos de-lagging/rip-out work within the boiler plant (also elsewhere on station as applicable) must comply with the procedures for notification, rip-out, containment and storage of asbestos material and final disposal of same.

(3) The woodworking shop in the shops area, has various saws and sanders. The emissions from these units are ducted to a low efficiency cyclone particulate collector. There were no observed air emissions problems.

(4) A relatively new program for fire-fighting training for Naval personnel is carried out in a mock-up of ship's compartments located on the Reserve Center. To simulate appropriate fire fighting training conditions, a 5 minute smoke bomb and/or a small amount of wood chips are ignited within the mock-up trainer. As the area in which the Reserve Center is located (Industrial Area of City of Tacoma) has been classified as a non-attainment area for particulate matter by the Environmental Protection Agency with resultant prohibition of open burning, and as the duration of smoke production (5 minutes +) exceeds the allowable duration time (3 min/hr) as shown in section 9.03 (a) of PSAPCA Regulation 1, a variance to continue with fire fighting training will be required from PSAPCA. Until/unless the variance has been granted, in writing, by PSAPCA, the Reserve Center may not legally carry out any more training sessions. Continued operation of the fire fighting training facility by the Reserve Center may result in a citation being issued by PSAPCA with resultant monetary penalty assessed for each instance of non-compliance. (Since this EES was conducted, the Reserve Center has forwarded a letter to this office requesting that variance application documents be obtained from PSAPCA.)

e. Solid Waste

(1) Solid waste (general refuse) collection and disposal is provided by City of Tacoma franchised commercial contractor. An eight (8) yd³ dumpster is located on the pier for use by the homeported vessels. When all three are in port, (1 DD and 2 MSO) the 8yd³ dumpster is collected twice/week. The Reserve Center complex utilizes one 4 - 6 yd³ dumpster with weekly collection provided by the contractor. There were no observed solid waste collection/disposal problems.

f. Oil Pollution Control

(1) The major oil pollution control operation at the Reserve Center involves collection and treatment of oily wastewaters generated by the 3 homeported vessels. Oily wastewater collection lines on the pier are utilized by the vessels for pumping bilges. On shore, a 1500 - 2000 gallon above ground oily wastewater collection tank receives the wastewater. The wastewater collection tank and the associated 700 gallon above ground oil collection tank are properly bermed to prevent any spills from flowing into Hylebos Waterway. The oily wastewater is pumped to a 25 gpm three-stage, skid-mounted oil/water separator. The separator consists of a pre-filter unit, an inclined plate oil/water separator and an emulsion breaker unit. The treated effluent is discharged into a sump, with the sump discharging to the Reserve Center sanitary sewer system. The effluent was of a very good quality, producing only a slight sheen on the surface of the effluent in the sump. The sheen can be removed by placing a sorbent mat or two on the surface of the sump, replacing them when necessary. A sample of the effluent from the oil/water separator should be collected quarterly and analyzed for oil/grease concentration by the commercial laboratory.

(2) The separated oil is collected in the above-ground 700 gallon oil tank. The oil is picked up, on an as needed basis, by a commercial oil reclaimer. Approximately 4,000 gal/year of separated oil is generated in this manner. Crankcase oil from the automotive shops area is collected in 55 gallon drums and the same oil reclaimer, picks up when full.

g. Oil Spill Management

(1) The Reserve Center has a certified Spill Prevention Control and Countermeasure (SPCC) Plan. The last review of the SPCC Plan was in February 1979. Regulations (40 CFR 112) require that SPCC Plans be formally reviewed every three years. This office can provide assistance, upon request, in certifying the SPCC Plan after it has been reviewed by the Reserve Center.

(2) An adequate supply of Oil Spill Containment boom is on-hand at the Reserve Center. However, due to lack of a boat or work platform it would be very difficult for Reserve Center personnel to promptly deploy the spill containment boom. The FY82 NAVFACENCOM Oil Spill Equipment Procurement Program indicates that the Reserve Center is scheduled to receive a work platform barge.

h. Hazardous Waste Management

(1) There is one 100 KVA transformer containing 206 gallons of Inerteen, a polychlorinated biphenol (PCB), adjacent to Hylebos Waterway. The Reserve Center has submitted Pollution Abatement Special Project R6-82 to replace the PCB-filled transformer with a new non-PCB transformer. The project is scheduled for accomplishment in FY83.

ENVIRONMENTAL ENGINEERING SURVEY (cont'd)

7 May 1982

i. Dredging

(1) Discussions with Reserve Center personnel indicate that no requirements for dredging exist at this time. If the need should arise in the future, a U.S. Army Corps of Engineers Permit would be required and this office should be contacted.

j. Noise Pollution Control

(1) There are no major sources of noise at the Reserve Center.

4. CONCLUSIONS.

A facility is considered in compliance if a project has been programmed to eliminate or correct the deficiency. The following medias were surveyed with compliance certification finding as follows:

<u>MEDIA</u>	<u>SURVEYED</u>	<u>COMPLIANCE CERTIFIED</u>
(1) Air	YES	NO
(2) Water Pollution	YES	NO
(3) Solid Waste	YES	YES
(4) Noise	YES	YES
(5) Hazardous Waste	YES	YES
(6) Industrial Wastewater	N/A	---
(7) Water, Potable	YES	NO
(8) Pesticides	N/A	---
(9) Oil Pollution Control	YES	YES
(10) Oil Spill Management	YES	NO
(11) Dredging	YES	YES

5. RECOMMENDATIONS.

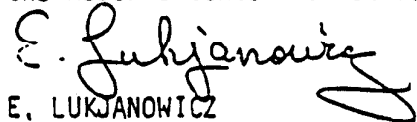
a. Paragraph 3.b.(2). Recommend the Reserve Center establish a potable water monitoring program.

b. Paragraph 3.c.(2). Recommend the Reserve Center develop a project to connect automotive washrack drain to sanitary sewer.

c. Paragraph 3.d.(2). Recommend the Reserve Center utilize Notification Form, included as Appendix A to this report, for future asbestos de-lagging/rip-out work.

d. Paragraph 3.f.(1). Recommend the Reserve Center sample oil/water separator effluent on a quarterly basis.

e. Paragraph 3.g.(1). Recommend the Reserve Center review its SPCC plan as required by 40 CFR 112.


E. LUKJANOWICZ
Environmental Engineer
Northwest Environmental Section

Puget Sound Air Pollution Control Agency

410 West Harrison Street, P.O. Box 9863 (206) 344-7330
Seattle, Washington 98109

NOTICE

DEMOLITION AND RENOVATION PROJECTS

The Puget Sound Air Pollution Control Agency has been delegated the authority to enforce the federal National Emission Standards for Hazardous Air Pollutants (NESHAPS). The designated hazardous air pollutants at this time are asbestos, beryllium, and mercury. Any demolition or renovation of a structure that involves asbestos must comply with the requirements set by the Federal Government.

A written Notice of Intention to Demolish or Renovate must be provided to this Agency at least ten (10) days prior to commencement of demolition or renovation.

The Notice of Intention to Demolish or Renovate shall include the following information:

1. Name of owner or operator.
2. Address of owner or operator.
3. Description and address or location of the building, structure, facility or installation to be demolished or renovated, and the approximate amount of friable asbestos material used for insulation and fireproofing.
4. Scheduled starting and completion dates of demolition or renovation.
5. Method of demolition or renovation and procedures to be followed.
6. Procedures used to prevent emissions of particulate asbestos material to outside air.
7. The name and address or location of the waste disposal site where the friable asbestos waste will be deposited.

SERVING:

KING COUNTY
Dist. Officer for Test
418 West Harrison St.
P. O. Box 9863
Seattle, 98109
(206) 344-7330

KITSAP COUNTY
Dist. Officer for Test
P.O. Box 2000
Bainbridge Island, 98110
Dist. 344-7330

Pierce County
212 West Building
Tacoma, 98402
(206) 383-6851

Snohomish County
576 Madison-Corwin Bldg.
Everett, 98201
(206) 238-0788

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Wes Johnson, Mayor of Seattle

VICE CHAIRMAN: Gordon M. Johnson, Mayor Tacoma

Glenn E. Jurek, Mayor (Burien)

A. R. Olson, Mayor, AB Parkland Council on

ADDEAN DIV (A)

Procedures to be followed are quoted below from the applicable Federal Regulations:

(40 FR 48292. October 14, 1975)

"(4) The following procedures shall be used to prevent emissions of particulate asbestos material to outside air:

(i) Friable asbestos materials, used to insulate or fireproof any pipe, duct, boiler, tank, reactor, turbine, furnace, or structural member, shall be removed from any building, structure, facility or installation subject to this paragraph. Such removal shall occur before wrecking or dismantling of any portion of such building, structure, facility, or installation that would break up the friable asbestos materials and before wrecking or dismantling of any other portion of such building, structure, facility, or installation that would preclude access to such

materials for subsequent removal. Removal of friable asbestos materials used for insulation or fireproofing of any pipe, duct, or structural member which are encased in concrete or other similar structural material is not required prior to demolition, but such material shall be adequately wetted whenever exposed during demolition.

(ii) Friable asbestos materials used to insulate or fireproof pipes, ducts, boilers, tanks, reactors, turbines, furnaces, or structural members shall be adequately wetted during stripping, except as provided in paragraphs (d)(4)(iv), (d)(4)(vi) or (d)(4)(vii) of this section.

(iii) Pipes, ducts, boilers, tanks, reactors, turbines, furnaces, or structural members that are insulated or fireproofed with friable asbestos materials may be taken out of any building, structure, facility, or installation subject to this paragraph as units or in sections provided the friable asbestos materials exposed during cutting or disjoining are adequately wetted during the cutting or disjoining operation. Such units shall not be dropped or thrown to the ground, but shall be carefully lowered to ground level.

(iv) The stripping of friable asbestos materials used to insulate or fireproof any pipe, duct, boiler, tank, reactor, turbine, furnace, or structural member that has been removed as a unit or in sections as provided in paragraph (d)(4)(iii) of this section shall be performed in accordance with paragraph (d)(4)(ii) of this section. Rather than comply with the wetting requirement, a local exhaust ventilation and collection system may be used to prevent emissions to the outside air. Such local exhaust ventilation systems shall be designed and operated to capture the asbestos particulate matter produced by the stripping of friable asbestos material. There shall be no visible emissions to the outside air from such local exhaust ventilation and collection systems except as provided in paragraph (f) of this section.

(v) All friable asbestos materials that have been removed or stripped shall be adequately wetted to ensure that such materials remain wet during all remaining stages of demolition or renovation and related handling operations. Such materials shall not be dropped or thrown to the ground or a lower floor. Such materials that have been removed or stripped more than 50 feet above ground level, except those materials removed as units or in sections, shall be transported to the ground via dust-tight chutes or containers.

(vi) Except as specified below, the wetting requirements of this paragraph are suspended when the temperature at the point of wetting is below 0°C (32°F). When friable asbestos materials are not wetted due to freezing temperatures, such materials on pipes, ducts, boilers, tanks, reactors, turbines, furnaces, or structural members shall, to the maximum extent possible, be removed as units or in sections prior to wrecking. In no case shall the requirements of paragraphs (d)(4)(iv) or (d)(4)(v) be suspended due to freezing temperatures.

(vii) For renovation operations, local exhaust ventilation and collection systems may be used, instead of wetting as specified in paragraph (d)(4)(ii), to prevent emissions of particulate asbestos material to outside air when damage to equipment resulting from the wetting would be unavoidable. Upon request and supply of adequate information, the Administrator will determine whether damage to equipment resulting from wetting to comply with the provisions of this paragraph would be unavoidable. Such local exhaust ventilation systems shall be designed and operated to capture the asbestos particulate matter produced by the stripping and removal of friable asbestos material. There shall be no visible emissions to the outside air from such local exhaust ventilation and collection systems, except as provided in paragraph (f) of this section."

The Notice of Intention should be sent to the Puget Sound Air Pollution Control Agency, PO Box 9863, Seattle, Washington 98109.

A form for submission of the required information is attached for your convenience.

Puget Sound Air Pollution Control Agency

410 West Harrison Street, P.O. Box 9863 (206) 344-7330
Seattle, Washington 98109

NOTICE OF INTENT TO DEMOLISH OR RENOVATE

Demolition Contractor: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____

Property Owner: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Address or Location of Structure to be Demolished: _____

Type of Structure to be Demolished and Amount of Asbestos Material: _____

Anticipated Starting and Completion Dates of Demolition: _____

Proposed Method of Demolition and Procedures to be Used to Prevent Emission
of Particulate Asbestos Material to Outside Air: _____

SERVING:

KING COUNTY
410 West Harrison St.
P. O. Box 9863
Seattle, 98109
(206) 344-7330

KITSAP COUNTY
Dist. Operator for ToxName and Address or Location of Waste Disposal Site: _____
Free Number 206-8385
Bainbridge Island, 98110
Dist. 344-7330

PIERCE COUNTY
213 Main Building
Tacoma, 98402
(206) 343-6661

SNOHOMISH COUNTY
508 Madison-Corner Bldg.
Everett, 98201
(206) 250-0288

Signature _____

Date _____

BOARD OF DIRECTORS

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Patricia L. Gallagher, Commissioner Pierce County

John O. Seelman, King County Executive

James B. Hester, Commissioner Snohomish County

Wes Urban, Mayor Seattle

VICE CHAIRMAN: Gordon M. Johnson, Mayor Tacoma
Glenn E. Jarnal, Mayor Bremerton

A. R. Damschroder, Air Pollution Control Officer

Form 66-105 5/77



DEPARTMENT OF THE NAVY
WESTERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
P O BOX 727
SAN BRUNO, CALIFORNIA 94066

MAIL REPLY TO
SEATTLE BRANCH, WESTERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
KITSAP CENTER 3100 N. W. SUGLIN HILL ROAD
P O BOX 2366
SILVERDALE, WASHINGTON 98383

IN REPLY REFER TO
1143B:EL:bb
NMCRC EES
Ser 1143/138
MAY 07 1982

From: Commanding Officer, Western Division, Naval Facilities Engineering Command
To: Commanding Officer, Naval and Marine Corps Reserve Center, Tacoma, WA
Subj: Environmental Engineering Survey

Ref: (a) NAVFACINST 5450.19B
(b) OPNAVINST 6240.3E

Encl: (1) Environmental Engineering Survey, Naval and Marine Corps Reserve Center, Tacoma, WA

1. In accordance with references (a) and (b) an Environmental Engineering Survey was conducted at the Naval and Marine Corps Reserve Center, Tacoma, WA on 25 February 1982. Enclosure (1) is a report on the findings and recommendations of that survey.

2. The status of compliance or non-compliance with Federal, State and local environmental regulations and Navy instructions is given for each pollution media in Section 4 of enclosure (1). Survey recommendations are found in Section 5.

3. Questions on the enclosed report should be directed to Mr. E. Lukjanowicz of this Command at commercial telephone number (206) 476-8666, Autovon 439-8666.

4. The time spent, responsiveness and cooperation given by all personnel contacted during this survey was appreciated.

Gale B. White
GALE B. WHITE,
By direction

Copy to:
NAVRESREDCOM REG TWO ZERO San Francisco
COMNAVFACENGCOM (112)
NAVENENVSA (112) ←
NAVRESREDCOM REG TWO TWO Seattle
CHNAVRES Code 1322 New Orleans

APPENDIX D

HISTORIES

NAVMARCORESCEN Tacoma, 1981, Command History for 1981.

NAVMARCORESCEN Tacoma, 1983, Command History for 1982.



NAVAL AND MARINE CORPS RESERVE CENTER

11th and ALEXANDER AVENUE
TACOMA, WASHINGTON 98421

IN REPLY REFER TO:

02

5750

Ser: 074

2 March 1981


From: Commanding Officer, N&MCRC, 11th & Alexander, Tacoma, WA. 98421
To: Director of Naval History (OP-0989), Washington Navy Yard, Washington,
DC 20390

Subj: Command History 1980; submission of

Ref: (a) OPNAVINST 5750.12B

Encl: (1) Command History for Naval & Marine Corps Reserve Center, Tacoma,
Washington and Ship Repair Base YR-84

1. In accordance with reference (a), enclosure (1) is submitted.
2. It should be noted that this command has on loan from the Curator for the Navy the ship's bell from the USS BRANNON (DD-446), and a plaque honoring Captain Herbert G. Sparrow (deceased) former commanding officer of the USS TACOMA.


R. G. LOKETZ

YR - 84 Introduction

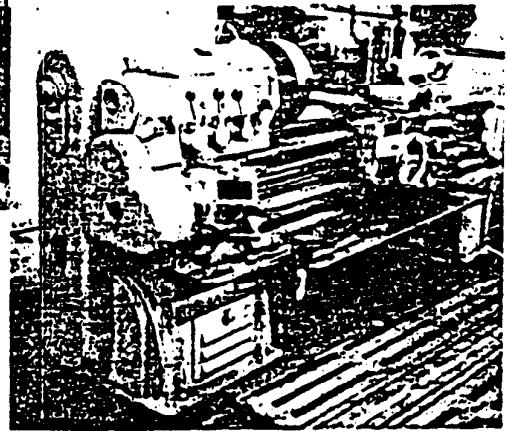
Designed and built as a floating, self-contained, repair facility for the U. S. Army in 1942.

It was transferred to the Naval Reserve in January 1975, and redesignated YR-84 and given a primary mission of Reserve training. YR-84 is a viable facility for the repair and maintenance of NRF ships.

Since the transfer to the Naval Reserve, YR-84 has undergone extensive modernization of machinery and spaces and now stands ready to perform work for Naval Facilities in the Puget Sound area.



MACHINE SHOP



Equipment

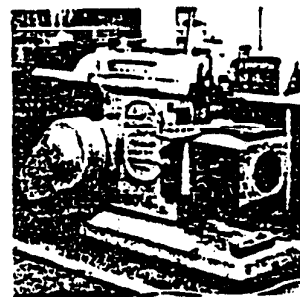
Four (4) lathes
 Two (2) milling machines
 One (1) shaper
 Or (1) drill press
 Two (2) bench and tool grinders
 Associated precision hand tools
 One (1) small pantograph engraver

Capacity

Up to 18" dia. X 12 ft. long
 Up to 12" X 12" 30" long
 Up to 12" X 24" X 24"
 Up to 2" dia. drill

Performance Capabilities

1. Valve Repair
 - a. Repair or manufacture stems and nuts
 - b. Face seats and discs
 - c. Face flanges and bonnetts
2. Pump Repair
 - a. Repair or manufacture shafts
 - b. Repair or manufacture wearing rings (casing and impellor)
 - c. Repair or manufacture packing sleeves and glands
 - d. Face flanges and casings
3. Manufacture and repair of small gears and specialized parts and equipment
4. Engraving of compartment and identification labels



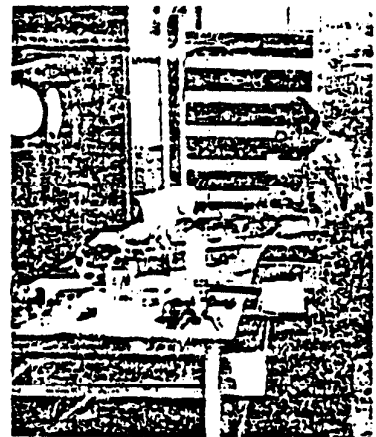


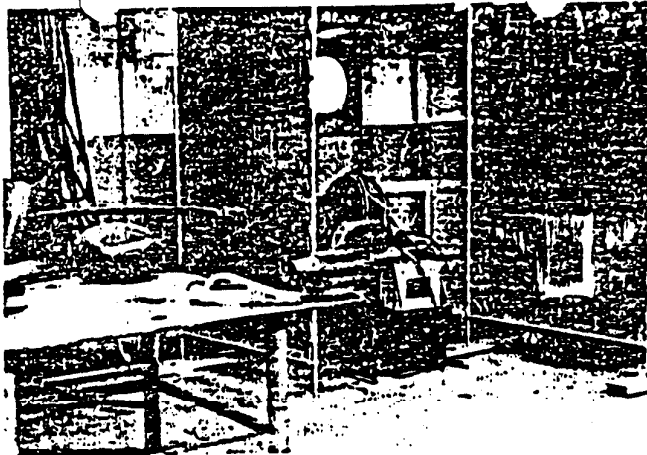
VALVE & PUMP SHOP

<u>Equipment</u>	<u>Capacity</u>
Hydro Tester	12" Valves to 1200 PSI
Tear down and assembly bench	
Seat and disc refacer	Up to 12" size
Sand Blaster	Up to 50 lbs. or 12" or 12" X 24"

Performance Capabilities

1. Repairs to all types of valves
 - a. Globe valves to 12" size
 - b. Gate valves to 12" size
 - c. Regulator valves
 - d. Soot blower valves
 - e. Fire main valves
2. Repairs to all types of pumps
 - a. Electrical drive centrifugal pumps
 - b. Turbine drive centrifugal pumps
 - c. Piston pumps
 - d. Hydraulic pumps (vane & piston types)
3. Hydrostatic testing to 1200 PSI
4. Repair of refrigeration and air conditioning equipment
5. Repairs to boilers, condensor and heat exchangers



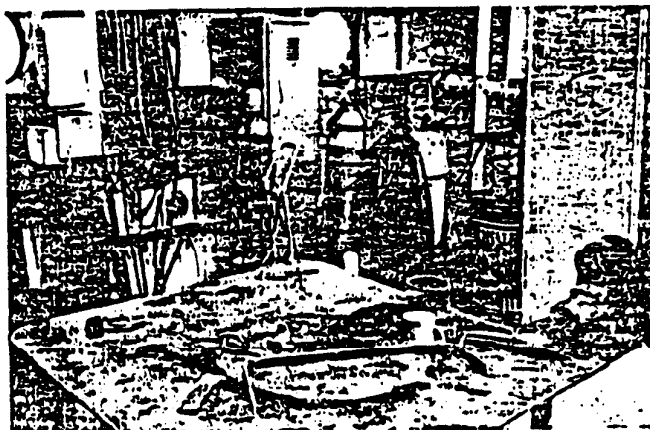


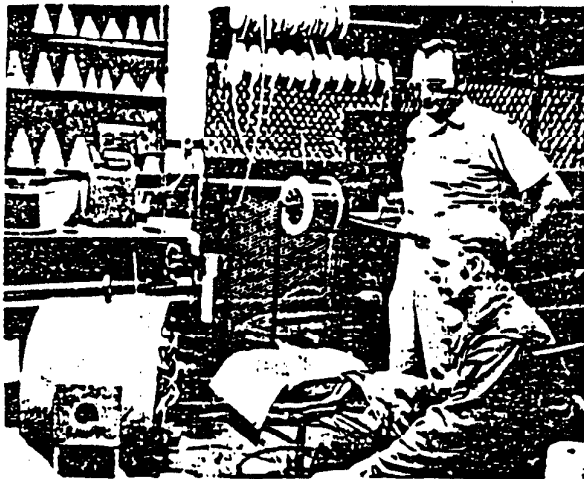
WELDING SHOP

<u>Equipment</u>	<u>Capacity</u>
One (1) Arc Welder (DC Generator)	250 Amps
Two (2) Oxy-Acetylene Torches (Welding & Cutting)	
One (1) Plate Burner	Up to 1" Thick Plate
One (1) Heli-Arc Welder	
One (1) Mig Welder (Wire Feed Welder)	
One (1) Drill Press	Up to 1 1/2" diameter

Performance Capabilities

1. All types of welding, steel, stainless steel, aluminum and bronze alloys.
2. Repair and manufacture of metal deck gratings.
3. Repairs to drain lines and other piping systems.
4. Fabrication of CRES deck plates for ladders.





ELECTRICAL/IC SHOP



Equipment

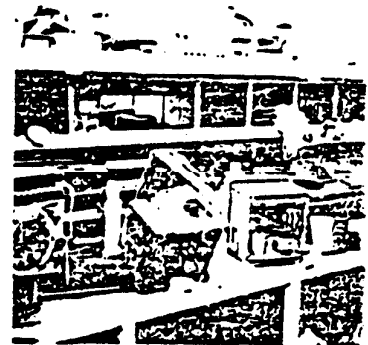
Motor Rewind Shop
 Motor Insulating Dip Tank
 Motor Bake Out Oven
 Various Test Meters-- Ohm, Volt,
 Amps & Meager

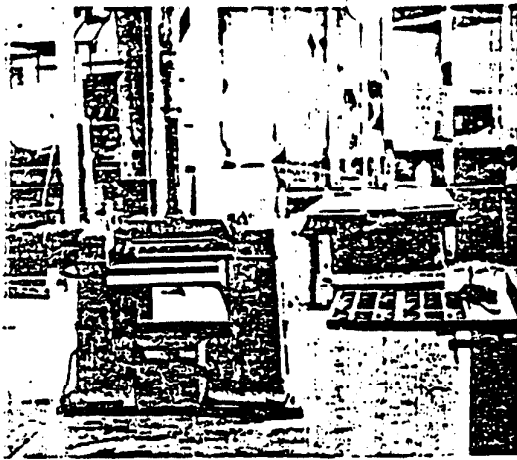
Capacity

Up to 15hp.
 24" X 24" X 24" (50 lbs.)
 24" X 24" X 24" (50 lbs.)

Performance Capabilities

1. Motors repairs and rewinding to 15 hp.
2. Repairs to electric welders
3. Repairs to ship's degaussing system
4. Repairs to electrical gyros
5. Repairs to 400 cycle MG sets
6. Repairs to ship service generators and switch boards
7. Repairs to shore power cables and junction boxes
8. Repairs to electrical portable hand tools and appliances
9. Repairs to sound powered telephone systems and amplifiers
10. Repairs to amplifiers and intercom systems





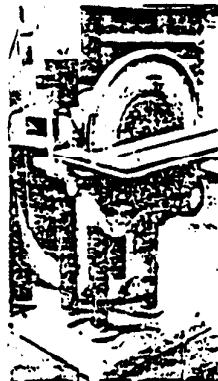
CARPENTER SHOP

Equipment

Three (3) Band Saws
 One (1) Table Saw
 One (1) Radial Arm Saw
 Three (3) Planer-Jointers
 One (1) Lathe
 One (1) Disc Sander
 One (1) Belt Sander

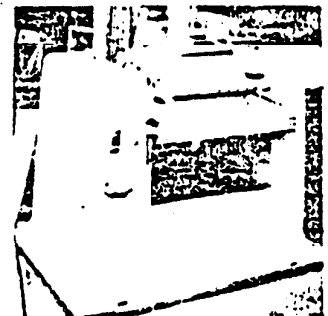
Capacity

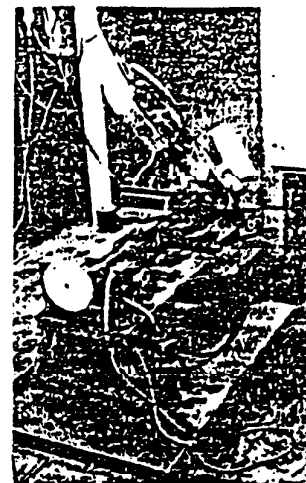
To 24" radius
 10" dia. saw
 10" dia. saw
 4" X 18" X 12" Lg.
 10" dia. X 36" Lg.
 24" dia.
 6" X 12"



Performance Capabilities

1. Repair and manufacture of wood deck gratings
2. Small boat hull repair with wood and/or fiberglass
3. Manufacture of podiums, quarterdeck status boards and ship's plaque backboards
4. Installation of composition deck covering
5. Repairs to wood brows and accommodation ladders



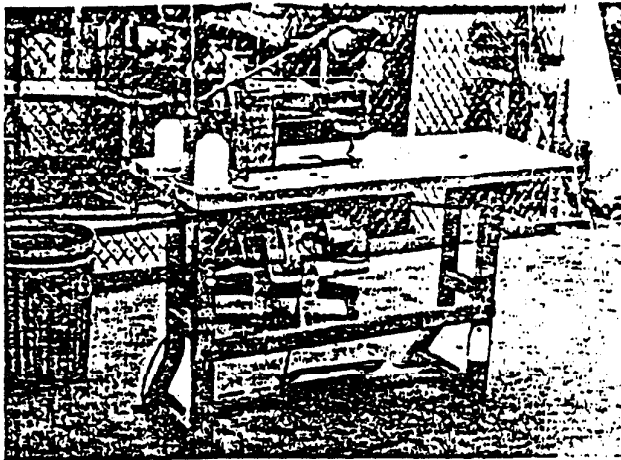


SHEETMETAL & PIPE SHOP

<u>Equipment</u>	<u>Capacity</u>
One (1) Sheetmetal Brake	18 ga. X 8' Lg.
One (1) Finger Brake	16 ga. X 4' Lg.
One (1) Bending Roll	10 ga. X 3' Lg. X 12" diamet
One (1) Cutoff saw	6" X 6"
One (1) Pipe threading & cutoff	4" Pipe
One (1) Sand Blaster	Up to 50 lbs. or 12" X 12"
One (1) Heli-Arc Welder	

Performance Capabilities

1. Repair and manufacture of sheetmetal parts for vent ducts and cabinets (Limited capacity for lack of shear and larger brake. These deficiencies are planned to be corrected soon.)
2. Cutting and threading of pipe from 1/2" to 4" sizes
3. Repairs to drain lines and other piping systems
4. Welding of thin gauge stainless steel and aluminum sheetmetal parts.
5. Manufacture of sheetmetal flange covers



SAIL LOFT

Equipment

Two (2) sewing machines
Two (2) layout tables

Performance Capabilities

1. Manufacture of machinery lagging pads of asbestos
2. Manufacture of aluminized cloth flange spray shields
3. Repair and manufacture of canvas covers for deck machinery and hatch covers
4. Repair and manufacture of quarterdeck canopies and small boat covers
5. Repairs to life jackets

OTHER SERVICES AVAILABLE

1. Repairs to gasoline and diesel engines. (A diesel injector and fuel pump repair shop is planned for the near future.)
2. Assist ship's force in lagging of piping systems
3. Installation lube oil/fuel oil strainers
4. Perform steering gear inspection and test of electrical and hydraulic systems
5. Assist ship's force for opening and inspection for INSURV
6. Provide technical and consulting services as requested by "User Commands".



DEPARTMENT OF THE NAVY
NAVAL AND MARINE CORPS RESERVE CENTER
1100 ALEXANDER AVENUE
TACOMA, WASHINGTON 98421

IN REPLY REFER TO:
02
5750
Ser 058
28 February 1982

From: Commanding Officer, Naval and Marine Corps Reserve Center, Tacoma, WA
To: Director of Naval History (OP-09BH), Washington Naval Yard, Washington, D.C.
20390

Subj: Command History for period 1 January 1982 to 31 December 1982

Ref: (a) OPNAVINST 5750.12C

- Encl: (1) N&MCRS Tacoma - History and 1982 - An Overview
(2) Chronology of Events
(3) Roster of Active Personnel
(4) Awards and Recognition
(5) Seapower Presentations
(6) VTU 2210 Historical Summary
(7) DOG 15 BERKELEY 1522 Historical Summary
(8) MEDCRU 222 Historical Summary
(9) MOTU 7/522 Historical Summary
(10) RNMCS 18 DET 0218 Historical Summary
(11) Marine Corps Summary
(12) Army Summary
(13) Coast Guard Summary
(14) Biography of Commanding Officer, CDR R. L. WILLIAMS
(15) Extract from REDCOM 22 Review/Damage Control Olympics

1. This command history is submitted in accordance with reference (a) for Calendar year 1982. Enclosure (1) provides a narrative overview on RESCEN activity for the year while remaining enclosures (2) through (15) provide information on reserve unit history, other service activity in the center and amplifying background detail.

2. Administrative and organizational information. NAVMARCOESCEN Tacoma is an Echelon IV activity under the Chief of Naval Reserve and Commander Naval Reserve Readiness Command Region Twenty-two, Seattle, Washington. The Commanding Officer also reports to Commander Naval Base Seattle for purposes of area coordination. The Center serves as host command for Marine, Army, and Coast Guard activities conducting local reserve training. During 1982 three Tacoma homeported Naval Reserve Force ships moored at the RESCEN piers: USS IMPLICIT (MSO 455), USS ENHANCE (MSO 437), and USS ORLECK (DD 886), (until decommissioning on 1 October 1982). In addition, repair barge, YR 86, was a command asset, moored routinely at the RESCEN pier, but maintaining a mobile posture for support of ship repair. YR 86 was transferred to control of the Naval Reserve Maintenance Training Facility, Puget Sound, on activation of that command in Tacoma on 1 December 1982.

3. Historical Highlights. 1982 was an interesting and challenging year for this reserve center and for the Naval Reserve in Tacoma. It was a year of change, one of involvement and one of recognition.

Naval and Marine Corps Reserve Center, Tacoma, Washington

The History and 1982 - An Overview

The Naval and Marine Corps Reserve Center Tacoma was dedicated on Veterans Day, 11 November, 1964 in an impressive ceremony attended by prominent local military and civilian leaders.

Constructed on the site of the old Naval Reserve Training Center, the new reserve center continued a tradition of Naval Reserve support in Tacoma dating back to 1910 and the pre-World War I days of the Washington Naval Militia.

Consisting of over eight acres of land in the Tacoma tideflats and industrial area of Commencement Bay, the reserve center's facilities included a full-support pier, garage and training building and extensive shops and facilities in the main training building facing Alexander Avenue. A small damage control ship mock-up complemented these facilities and now serves as the site for conduct of the Naval Reserve Western Damage Control Olympics. All of these facilities are still in use.

When first dedicated the new center served as the training site for more than 600 military reservists from four service branches: Navy, Marine Corps, Army and Coast Guard. The same services and approximately the same number of reservists still use the center. Navy units training in the center in 1964 were divided into training divisions. In addition to the Reserve Training ship, USS WATTS (DD 567), then homeported at the Center, divisions included Naval Reserve Surface Division 13-17(L). This division provided initial recruit training for all reservists enlisting for the various Naval Reserve units. The other major units were: Naval Reserve Submarine Division 13-6, Naval Reserve Construction Battalion Division 13-3, Ship Activation, Maintenance and Repair Division 13-2(M), Naval Reserve Mobilization Team Division 13-6(L) and the Naval Reserve Officer's School 13-1 (Tacoma Extension). The submarine CABEZON (SS 334) was permanently moored at the pier in Tacoma and was a fully outfitted, immobile, fleet-type submarine. It served as a floating classroom and was supported by regular Navy First Class and Chief Petty Officer instructors.

During the intervening years the complexion of reserve training in Tacoma changed from the original divisional organization to one organized along more traditional Navy command lines emphasizing mission area and functional command training. Tacoma Naval Reserve Units training at the center at the start of 1982 included the following:

Volunteer Training Unit 2210

Mobile Technical Unit 7/522

DDG 15 BERKELEY 1522

Reserve Naval Mobile Construction Battalion Eighteen Detachment 0218

YR-86 Headquarters 122

YR-86 Detachments 222, 322, 422 and 522

USS ORLECK (DD 886)

USS ENHANCE (MSO 437)

USS IMPLICIT (MSO 455)

1982 was another year of change for the Naval and Marine Corps Reserve center, Tacoma and for the Tacoma Naval Reserve community. On 30 September CDR Ronald L. WILLIAMS, USN relieved CDR Ronald G. LUKETZ, USNR as Commanding Officer of the reserve center. On 1 October the NRF destroyer USS ORLECK (DD 886) was decommissioned at the Reserve Center pier and immediately transferred to the Turkish Navy, being recommissioned as the TCG YUCERTEPE (D 345). On 1 December the repair barge YR-86 was transferred from Reserve Center Command, and became the major asset of newly established Naval Reserve Maintenance Training Facility Puget Sound. This new repair oriented reserve training facility also assumed training and command functions of the former YR-86 reserve units, all redesignated as NRMTF Puget Sound detachments.

During 1982, the reserve center continued to have major use by Marine, Army and Coast Guard reserve elements. The Tacoma Sea Cadets drilled at the center on Tuesday evenings throughout the year and the center was frequently used for Navy League Executive Council meetings as well as Naval Enlisted Reserve Association meetings and USN recruiter area conferences. The Tacoma chapter of NERA # 22150 held its inaugural meeting in the center on 20 October 1982. A large audience attended and listened to guest speaker Congressman Norm Dicks present his views on the Navy and on the need for a strong Naval Reserve.

Other highlights of 1982 included Reserve Center participation in and support of the 1982 Western Damage Control Olympics. Area and regional playoffs led to the finals conducted 15 and 16 October, among representatives of five reserve readiness commands. The competition was hosted by the center for RADM HANSEN, Commander of Naval Reserve Readiness Command Region 22 in Seattle. A cold but enthusiastic competition determined that the REDCOM Region 22 team from Butte, Montana was the winner. The overall competition was heightened by appearance of the Honorable Fred Davidson III, Deputy Assistant Secretary of the Navy for Reserve Affairs. On Saturday night Mr. Davidson attended the banquet for the competing teams held in the Reserve Center and hosted by the regular SELRES meal caterer, affectionally called "Fast Eddie". Following the excellent prime rib dinner, Secretary Davidson spoke briefly to the competitors and then mingled with the crowd in a social period lasting more than an hour. He returned Sunday morning and observed part of the final competition prior to departing for his return flight to Washington, D.C.

Training activities in the Reserve Center were complemented during the year by involvements in the local community. These ranged from Commanding Officer participation in local Chamber of Commerce military affairs meetings and activities to support of the Special Arts Festival in Puyallup. MEDCRU 222 provided valuable support at aid stations during Tacoma's annual June run, The Sound-To-Narrows. Center spaces were used as a repository for toys collected by the Marines in the annual Toys-for-Tots drive. Veteran's Day festivities and ceremonies included functions at the Tacoma Elks Lodge, Downing Elementary School and the Pierce County Annual VFW ceremony.

November 1982 also was highlighted by the Tacoma visit of the USS COPELAND (FFG 25), a new guided missile fast frigate named after the late prominent Tacoman, lawyer and naval reservist, RADM R. W. Copeland. Crew sightseeing, Bobs Pier, a reception at the Tacoma Yacht Club, a memorial service and cruise to Manchester were highpoints of the visit, coordinated by Tacoma Naval Reservist, CAPT Ken RUSSELL. The Commanding Officer of the reserve center, CDR R. L. WILLIAMS met the ship on its arrival at its Blair waterway berth and participated in the welcoming ceremony with mayor of Tacoma, Doug Sutherland. Numerous other dignitaries were also present including retired ADM James RUSSELL, former shipmates of RADM COPELAND's and ADM COPELAND's gracious widow, Mrs. Harriett Copeland.

In summary, 1982 was a year of change and involvement. As we look forward to 1983 we anticipate the fun and challenge of working with and training naval reservists and of serving as representatives of the U.S. Navy in Tacoma.



DEPARTMENT OF THE NAVY

NAVAL AND MARINE CORPS RESERVE CENTER
1100 ALEXANDER AVENUE
TACOMA, WASHINGTON 98421-4198

IN REPLY REFER TO:
5750
Ser 00/000
24 Mar 1988

From: Commanding Officer, Naval and Marine Corps Reserve Center,
Tacoma, WA

To: Director of Naval History (OP-095H), Washington Navy Yard,
Washington, D.C. 20390

Subj: COMMAND HISTORY FOR PERIOD 1 JANUARY 1967 TO 31 DECEMBER 1987

Ref: (a) OPNAVINST 5750.12D

Encl: (1) N&MCRC Tacoma Chronology of Events
(2) NAVMARCORESCEN TACOMA NOTICE 1301 OF 28 Jan 88

1. Under reference (a), this Command's History follows. Enclosure (1) lists significant events and enclosure (2) lists primary and collateral duties of RESCEN and SELRES Staff.

a. NAVMARCORESCEN Tacoma is an Echelon V activity under the Commander Naval Reserve Force, New Orleans and the Commander Naval Reserve Readiness Command Region Twenty Two, Seattle, Washington. The Commanding Officer also reports to Commander, Naval Base Seattle for the purpose of area coordination. Command mission is to maintain assigned personnel and equipment in a state of readiness and availability to permit rapid employment in the event of full or partial mobilization.

b. Under the Commanding Officer, there are five departments. 1) Administration, 2) Training, 3) Medical, 4) Supply, and 5) Recruiting. One Officer, ten enlisted staff personnel, three recruiting personnel and two civilians are assigned under our manpower allowance.

c. The center serves as host command for Marine, Army, and Coast Guard Activities conducting local reserve training. During 1987, two Tacoma homeported Naval Reserve Force Ships moored at the RESCEN pier: USS Imolcit (MSO 455) and USS Enhance (MSO 437). USS Enhance (MSO 437) deployed to the Middle East in August 1987. YR 36, Naval Reserve Maintenance Facility Puget Sound also moored at the RESCEN pier throughout the year.

d. The following Selected/Ready Naval Reserve Units and Commanding Officers were attached to this Command during this period:

Unit	Commanding Officer
NR FH 500 CBTZ 9 DET "K"	LCDR P. STAURSET
NR DDG 15 BERKELEY DET 1522	CDR R. WILSON
NR RNMCB 18 DET 0218	LTJG C. HINDS
NR MOTU 7/522	LCDR B. FURSMAN
NR VTU 2210G	CDR R. SNODGRASS

Subj: COMMAND HISTORY FOR PERIOD 1 JANUARY 1967 TO 31 DECEMBER 1967

3. Curator Items. NAVMARCORESCEN Tacoma has on loan from the Curator of the Navy, the Ship's Bell from the USS Brannon (DD 446), and a memorial plaque honoring CAPT Herbert G. Sparrow (Deceased), former Commanding Officer of the USS Tacoma.

4. On loan from the Naval Enlisted Reserve Association. Photos of Group Commanders.

CAPT ARTHUR H. MIDDLETON,	USNR-R,	SEPT 1945 - JUNE 1946
RADM ROBERT W. COPELAND,	USNR-R,	JULY 1946 - JULY 1950
CAPT ROBERT H. GILROY,	USNR-R,	JULY 1953 - JULY 1956
CDR PAUL O. ANDERSON,	USNR-R,	JULY 1956 - JULY 1959
CAPT CLAUDE M. PEARSON,	USNR-R,	OCT 1964 - JULY 1967
CAPT STERLING HARSHMAN,	USNR-R,	JULY 1966 - JULY 1968
CAPT JOSEPH BECKMAN,	USNR-R,	JULY 1968 - JULY 1970
CAPT ROBERT PETERS,	USNR-R,	JULY 1970 - JULY 1972
CAPT WILLIAM H. CARLYON,	USNR-R,	JULY 1972 -

Blum
C. O. LANG

APPENDIX E
HAZARDOUS WASTE MANIFESTS

UNIFORM HAZARDOUS WASTE MANIFEST Generator's Name and Mailing Address Generator's Phone (206) 272-2938		1. Generator's US EPA ID No. WA2170090037		2. Page 1 of 1 Information in the shaded areas is not required by Federal law.	
Generator's Name and Mailing Address Generator's Phone (206) 272-2938		4. US EPA ID Number WAD 000812909		A. State Manifest Document Number 4652	
3. Transporter 1 Company Name 5. Transporter 2 Company Name		6. US EPA ID Number WAD 000812917		B. State Generator's ID WA2170090037	
7. Designated Facility Name and Site Address <input checked="" type="checkbox"/> Chempro 734 So. Lucile St. Seattle, WA (206) 767-0350 <input type="checkbox"/> Chempro Pier 91 Seattle, WA (206) 284-2450 <input type="checkbox"/> Chempro 1701 Alexander Tacoma, WA (206) 427-7548 <input type="checkbox"/> Other:		8. US EPA ID Number WAD 000812909 WAD 000812917 WAD 0202257945		C. State Transporter's ID D. Transporter's Phone E. State Transporter's ID F. Transporter's Phone G. State Facility's ID WAD 000812909 H. Facility's Phone (206) 767-0350	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) WASTE SODIUM PHOSPHATE TRIBASE, ORM-E, NA 889148		12. Containers No. Type 1 TK		13. Total Quantity 333.336 GAL 14. Unit Wt/Vol 15. Waste No. WT02	
1. Additional Descriptions for Materials Listed Above A. WPS & CP 08445, PH 12.0		E. Handling Codes for Wastes Listed Above			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name P.A. SICCA LTUG, SC, USN		Signature 		Month Day Year 07 10 86	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature 		Month Day Year 11 1 86	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature 		Month Day Year 11 1 86	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature 		Month Day Year 11 1 86	

27

DATE: 29 July 1987

GRAND TOTAL 85.00

E-3

CHEMICAL PROCESSORS, INC./RESOURCE RECOVERY CORP.

2203 Airport Way So., Suite 400 • Seattle, WA 981
Chempro 223-0500 • Resource Recovery 223-0900

Form Approved OMB No. 2050-0039 Expires 9-30-95

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address		WA 217000017		A. State Manifest Document Number		
Naval Reserve Maintenance Facility 1100 Alexander Avenue Tacoma, WA 98421-4199				B. State Generator's ID		
4. Generator's Phone (206) 476-1601		5. US EPA ID Number		C. State Transporter's ID		
6. Transporter 1 Company Name		WAD061672R12		D. Transporter's Phone (206) 223-7798		
Resource Recovery		7. US EPA ID Number		E. State Transporter's ID		
7. Transporter 2 Company Name				F. Transporter's Phone		
8. US EPA ID Number				G. State Facility's ID		
9. Designated Facility Name and Site Address		10. US EPA ID Number		H. (206) 223-5954		
<input type="checkbox"/> Chempro 734 So. Lucile St. Seattle, WA (206) 767-3362 <input type="checkbox"/> Chempro Pier 91 Seattle, WA (206) 784-2490 <input type="checkbox"/> Chempro 1701 Alexander Tacoma, WA (206) 627-7548 <input type="checkbox"/> McGarry, Campbell 425 So. 32nd St. Washelli, WA (206) 835-8594 <input checked="" type="checkbox"/> Other: 563500, TRIM, Lewis, WEDS 98421-4199		WAD 000812909 WAD 000812917 WAD 020237945 WAD 020237945		967		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. XX RQ, Waste Flammable Liquid, N.O.S. (D001) Flammable Liquid UN1993		1	DM	55.0	G	WT02, D001, D005, D007, D008, F003, WP01, D001, D005, F001
b. X RQ, Waste Combustible Liquid, N.O.S. (N001) Combustible Liquid NA1993		1	DM	14.0	G	WT02, D001, D002, D003
c. X RQ, Waste Acid, Liquid, N.O.S. (D001, D002) Corrosive Material NA1760		1	DM	9.2	G	WT02, D001
d. X RQ, Waste Alkali, Liquid, N.O.S. (D002) Corrosive Material		1	DM	55.0	G	WT02, D001
1. Additional Descriptions for Hazardous Materials a) Sample 35; RQ = 100 gms. in 1 drum b) Sample 28; RQ = 100 gms. in 1 drum c) Sample 26; RQ = 100 gms. in 1 drum d) Sample 22; RQ = 100 gms. in 1 drum e) See Landfill Restriction		K. Handling Codes for Wastes Listed Above				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year		
Printed/Typed Name						
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year		
Printed/Typed Name						
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name		Signature		Month Day Year		

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator's US EPA ID No.

WAA 21700900370765

Manifest
Document No.

22. Page

Information in the shaded areas
required by Federal law.

23. Generator's Name

Naval Reserve Maintenance
Facility

L. State Manifest Document Number

M. State Generator's ID

24. Transporter Company Name

Resource Recovery

25. US EPA ID Number

HA0061057221

N. State Transporter's ID

O. Transporter's Phone (205) 223-7798

26. Transporter Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

29. Containers

30. Total
Quantity

31. Unit
Wt/Vol

32. Waste No.

HA	HA	HA	No	Type	Total Quantity	Unit Wt/Vol	R. Waste No.
a.	XX	RQ, Waste Alkaline, Liquid, N.O.S. (D002) Corrosive Material HA1719	1	DM	55.0	G	WT02, D002
b.	X	RQ, Waste Alkaline, Liquid, N.O.S. (D002) Corrosive Material N/A1719 HA1719	1	DM	20.0	G	WT02, D002
c.		Washington State Hazardous Waste	1	DM	20.0 20.0	G	WT02
d.		Washington State Hazardous Waste	1	DM	20.0	G	WT02
e.	X	Waste Paints, N.O.S. Flammable Liquid UN1263	17	DM	450.0	P	WT02, D001
f.							
g.							
h.							
i.							

3. Additional Descriptions for Materials Listed Above

- a) Sample 25; RQ = 100; 55 gallon drum
- b) Sample 25; RQ = 100; 20 Gal. drum pack in 55 gallon drum
- c) Sample 27; 30 gallon overpack in 85 gallon drum
- d) Sample 29; 20 gallon overpack in 55 gallon drum
- e) Paint cans in 10 gallon drums

T. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

33. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

34. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

35. Discrepancy Indication Space

<input checked="" type="checkbox"/> CHECKED, BOX APPLIES		<input type="checkbox"/> REQUEST FOR QUOTATIONS NO		RETURN COPIES OF THIS QUOTE BY (THIS IS NOT AN ORDER See DD Form 1155)		PAGE 1 OF 2	
<input checked="" type="checkbox"/> ORDER FOR SUPPLIES OR SERVICES							
1. CONTRACT/ORDER NO. N62707-88-M-0106		2. DELIVERY ORDER NO.		3. DATE OF ORDER 99 AUG 10		4. DELIVERY ORDER NO. N627078807060	
5. ISSUED BY: SUPPLY OFFICER CODE N62707		6. ADMINISTERED BY: (If other than 5) CODE		7. DELIVERY FOR:		8. DELIVERY FOR:	
NAVRESMAINTRAFAC. PUGET SOUND 1100 ALEXANDER AVE. TACOMA, WA. 98421-4199 BUYER CONTACT: MSC BOUTREAU TEL: 252-2019						<input type="checkbox"/> DEST <input type="checkbox"/> OTHER WILL SEE SCHEDULE IF OTHER	
9. CONTRACTOR/QUOTER CODE		10. FACILITY CODE		11. DELIVER TO FOR POINT BY 99 AUG 11		12. CHECK IF BUSINESS IS:	
LAUCK'S TESTING LABORATORIES INC. 940 S. HARNEY ST. SEATTLE, WA 98108 (206) 767-5060				13. DISCOUNT TERMS NET 30 DAYS		<input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	
14. SHIP TO: SUPPLY OFFICER CODE N62707		15. PAYMENT WILL BE MADE BY: CODE N62707		16. ORIGINAL & 4 COPIES TO BLOCK # 4		17. MAKE ALL PACKAGES AND PAPERS WITH CONTRACT OR ORDER NUMBER	
NAVRESMAINTRAFAC. PUGET SOUND 1100 ALEXANDER AVE TACOMA, WA 98421-4199 REG HOURS - 8AM-3PM MON-FRI							
18. DELIVERY: This delivery order is subject to instructions contained on this side of form only and is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.		19. PURCHASE: Reference your TEL/CON JIM OWEN 9 AUG 88		20. (mark the following on terms specified below, including, for U.S. purchases, and delivery as indicated. This purchase is negotiated under authority of 10 USC 2304(a)(1)		<input checked="" type="checkbox"/> IS CHECKED, AND NO 14 IF THIS BOX	
21. IS CHECKED: special provisions		22. 10 USC 2304(a)(1) or as specified in the schedule if within the U.S. its possessions or Puerto Rico; if otherwise under 1304(a)(1)		23. If checked, Additional General Provisions apply: Supplier shall sign "Acceptance" on DD Form 1155a and return		24. 10 USC 2304(a)(1)	
25. ACCOUNTING CLASSIFICATION (REV. 7-88)		26. ACCOUNTING CLASSIFICATION (REV. 7-88)		27. ACCOUNTING CLASSIFICATION (REV. 7-88)		28. ACCOUNTING CLASSIFICATION (REV. 7-88)	
29. ITEM NO.		30. APPROPRIATION SYMBOL AND SUBHEAD		31. OBJECT CLASS		32. BUREAU CODE	
AB 1771000.7232		000		0000		0000	
33. SCHEDULE OF SUPPLIES/SERVICES		34. QUANTITY ORDERED		35. QUANTITY ACCEPTED		36. AMOUNT	
0001 TEST LIQUIDS TO DETERMINE Z COMPOSITION. TO IDENTIFY COMPONENTS AND NEED HAZARDOUS DISPOSAL REQUIREMENTS.		00008		00008		2100.00	
37. DATE		38. DATE		39. DATE		40. DATE	
9-10-88		9-10-88		9-10-88		9-10-88	
41. UNITED STATES OF AMERICA		42. L.M. DAVIS.		43. CONTRACTING/ORDERS OFFICER		44. TOTAL	
45. QUANTITY IN COLUMN 30 HAS BEEN:		46. 27. SHIP NO.		47. 28. DD VOUCHER NO.		48. 29. DIFFERENCES	
<input checked="" type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED		<input type="checkbox"/> PARTIAL <input type="checkbox"/> COMPLETE		49. 32. PAID BY		50. 33. INITIALS	
9/8/88 <i>Michael Davis</i> DATE SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		51. 31. PAYMENT		52. 34. CHECK NUMBER		53. 35. AMOUNT VERIFIED CORRECT FOR	
9/10/88 <i>So M. Davis</i> DATE SIGNATURE AND TITLE OF CERTIFYING OFFICER		<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> BUREAU		54. 36. BILL OF LADING NO.		55. 37. S/R VOUCHER NO.	
56. 37. RECEIVED AT		57. 38. RECEIVED BY		58. 39. DATE RECEIVED		59. 40. TOTAL CONTAINERS	
9/10/88		9/10/88		9/10/88		9/10/88	
60. 41. S/R ACCOUNT NUMBER		61. 42. S/R VOUCHER NO.		62. 43. S/R VOUCHER NO.		63. 44. S/R VOUCHER NO.	
9/10/88		9/10/88		9/10/88		9/10/88	

Laucks

Testing Laboratories, Inc.

940 South Harney St. Seattle, Washington 98108 (206)767-5060

Chemistry, Microbiology, and Technical Services



Certificate

CLIENT: Naval Reserve Maintenance Training Facility
1100 Alexander Ave.
Tacoma, WA 98421

LABORATORY NO: 98895

DATE: Oct. 24, 1986

PO# N6870786RQY0128

REPORT ON: SOLVENT TANK LIQUID

SAMPLE

IDENTIFICATION: Submitted 9/18/86 and identified as shown below:

To: Laucks From: Supply Office

TESTS PERFORMED AND RESULTS:

Residue on evaporation @ 105 degrees C _____ 6.3%

GC-Ion Trap Analysis

Tetrachloroethylene _____ 12.1

Mineral Spirits _____ 82.1

Respectfully submitted,

Laucks Testing Laboratories, Inc.

J.M. Owens

JMO:dr



This report is submitted for the exclusive use of the person, partnership, or corporation to whom it is addressed. Subsequent use of the name of this company or any member of its staff in connection with the advertising or sale of any product or process will be granted only on contract. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.


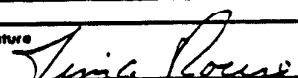

CHEMICAL PROCESSORS, INC./RESOURCE RECOVERY CORP.

Airport Way So., Suite 400 • Seattle, WA 9813
empro 223-0500 • Resource Recovery 223-0900

U1000

Please print or type
(Form designed for use on a six (12-inch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-88

- UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA217009003Z		Manifest Document No. RE-4621		2. Page 1 of 1 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address NRMTE PULPET SOUND 1100 ALEXANDER AVE TACOMA, WA, 98421-4199						A. State Manifest Document Number	
4. Generator's Phone (206) 272-2733						B. State Generator's ID	
5. Transporter 1 Company Name (CHEMPRO) Resource Recovery						C. State Transporter's ID	
6. US EPA ID Number WAD061672812						D. Transporter's Phone (206) 824-4818	
7. Transporter 2 Company Name						E. State Transporter's ID	
8. US EPA ID Number						F. Transporter's Phone	
9. Designated Facility Name and Site Address <input checked="" type="checkbox"/> Chempro 724 So. Union St. Seattle, WA (206) 767-3262 <input type="checkbox"/> Chempro Pier 91 Seattle, WA (206) 284-2450 <input type="checkbox"/> Chempro 1701 Alexander Tacoma, WA (206) 627-7568 <input type="checkbox"/> McCarty/Columbia 625 So. 32nd St. Washougal, WA (206) 835-8594 <input type="checkbox"/> Other:						G. State Facility's ID	
10. US EPA ID Number WAD00012917 WAD020257945 WAD097300250						H. Facility's Phone (206) 767-3262	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	
[HMI]						No. Type	
a. <input checked="" type="checkbox"/> WASTE PAINT RELATED MATERIAL, HAZARD CLASS: FLAMMABLE LIQUID, ID # NA 1203 (P&H3)						9 OVER P&H DM	
b.							
c.							
d.							
13. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above	
a) C.P. 22073							
15. Special Handling Instructions and Additional Information NONE.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are truly and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name L.M. DAVIS (LT. SC. USN)						Signature 	
Month Day Year 3 23 88							
17. Transporter 1 Acknowledgment of Receipt of Materials							
Printed/Typed Name Jim A. Rouse						Signature 	
Month Day Year 3 23 88							
18. Transporter 2 Acknowledgment of Receipt of Materials							
Printed/Typed Name						Signature	
Month Day Year							
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name LYNN M. FRANTAUO						Signature 	
Month Day Year 3 23 88							

WASTE MANIFEST		WJA 214001 10/2/97	of 1	not required by Federal law																														
2. Generator's Name and Mailing Address DIRECT EQUITY 1100 ALEXANDER AVE TACOMA, WA 98411-4171 4. Generator's Phone (206) 272-2538			A. State Manifest Document Number B. State Generator's ID																															
3. Transporter 1 Company Name (CHEMPRO) Resource Recovery			6. US EPA ID Number WAD061672312																															
7. Transporter 2 Company Name			8. US EPA ID Number																															
9. Designated Facility Name and Site Address <input type="checkbox"/> Chempro 734 So. Lucile St. Seattle, WA (206) 767-3362 <input type="checkbox"/> Chempro Pier 91 Seattle, WA (206) 284-7450 <input type="checkbox"/> Chempro 1701 Alexander Tacoma, WA (206) 627-7568 <input type="checkbox"/> McGarry/Columbia 625 So. 32nd St. Washougal, WA (206) 835-8594 <input type="checkbox"/> Other:			10. US EPA ID Number WAD-000818909 WAD 000812917 WAD 020257945 WAD 092300250																															
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) (HWM)			12. Containers <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Type</th> <th>13. Total Quantity</th> <th>14. Unit Wt/Vol</th> <th>15. Waste No.</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>INC DRUM</td> <td>81</td> <td>6AL</td> <td>F003</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	9	INC DRUM	81	6AL	F003																				
No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.																														
9	INC DRUM	81	6AL	F003																														
1. Additional Descriptions for Materials Listed Above WASTE PAINT RELATED MATERIAL, HAZARDOUS CLASS; FLAMMABLE LIQUIDS, UN = NA 1263 (F003)			K. Handling Codes for Wastes Listed Above																															
15. Special Handling Instructions and Additional Information NONE.																																		
6. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are detailed, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																																		
Printed/Typed Name L. M. DAVIS (LT, SC, UN)			Signature 																															
7. Transporter 1 Acknowledgement of Receipt of Materials			Signature 																															
Printed/Typed Name Jim A. Rose			Signature 																															
8. Transporter 2 Acknowledgement of Receipt of Materials			Signature 																															
Printed/Typed Name			Signature 																															
Discrepancy Indication Space																																		
Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.																																		
Printed/Typed Name			Signature 																															

W 8700-22 (Rev. 9-86) Previous editions are obsolete.

GENERATOR'S COPY

CHARGE EQUAL TO OR IN EXCESS OF
EACH HAZARDOUS WASTE ASSIGNED
"RQ" VALUE TO NATIONAL RESPONSE
CENTER

800-424-8802

EPA HOTLINE = 800-424-9346
CDC POISON CENTER = 404-635-6313
DOT = 202-426-1830

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

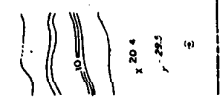
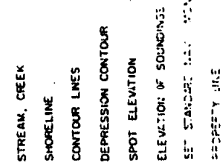
Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 2117009003784251	Manifest document No. 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address Commanding Officer Naval & Marine Corps Reserve Center 1100 Alexander Ave. Tacoma, WA 98421-4198 4. Generator's Phone (206) 383-3577			A. State Manifest Document Number				
5. Transporter 1 Company Name Resource Recovery			6. US EPA ID Number WA 10101611671218112	C. State Transporter's ID			
7. Transporter 2 Company Name			8. US EPA ID Number	D. Transporter's Phone			
9. Designated Facility Name and Site Address DRMO Lewis Bldg 9670 PO Box 56 Tillicum, WA 98492			10. US EPA ID Number WA 191214053465	E. State Facility's ID			
				F. Facility's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No. Type	13. Total Quantity	14. Unit (Wt/Vol)	15. Waste No.	
a. Waste flammable liquid, NOS, UN 1993 (DOO1) Flammable liquid			2	D	M	0.0091 G	WT01/DOO1 FO05
b. Paint, UN 1263 RDWASTE PAINT, Flammable liquid UN1263			4	D	M	0.0130 G	DOO1/ WT01
c. Latex paint, not regulated by DOT			1	D	M	0.0011 G	Latex non-regul.
d. 33 AUG 25 A.D.							
1. Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information Duty officer, Naval Supply Center, Puget Sound, Bremerton 24 hrs. (206) 476-7300							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this manifest are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name L. J. LANG, LCDR, USNR			Signature <i>L. J. Lang</i>		Month Day Year 10/8/88		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Tim A. Rose			Signature <i>Tim A. Rose</i>		Month Day Year 10/9/88		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature		Month Day Year		
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Paul Brown							
			Signature <i>Paul Brown</i>		Month Day Year 08/16/88		

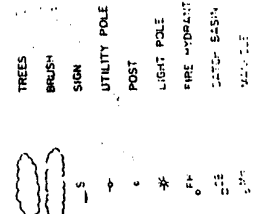
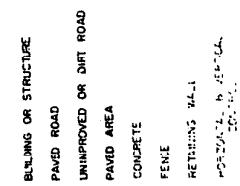
APPENDIX F
TOPOGRAPHIC MAPS

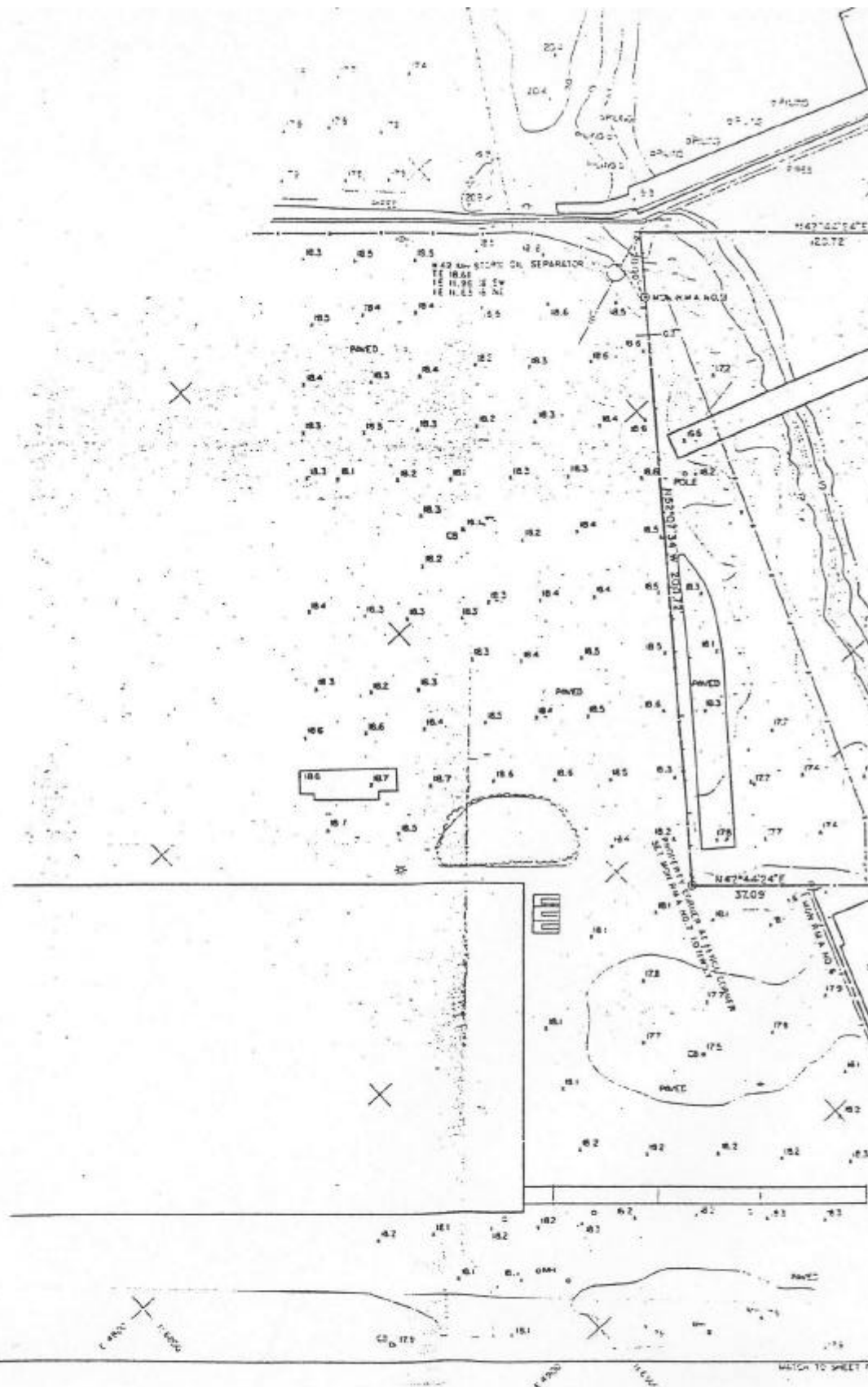


APPENDIX F
PAGE 4 OF 4



LEGEND





LEGEND



BUILDING OR STRUCTURE
PAVED ROAD
UNIMPROVED OR DIRT ROAD
PAVED AREA
CONCRETE



STREAM, CREEK
SHORELINE
CONTOUR LINES
DEPRESSION CONTOUR
SPOT ELEVATION



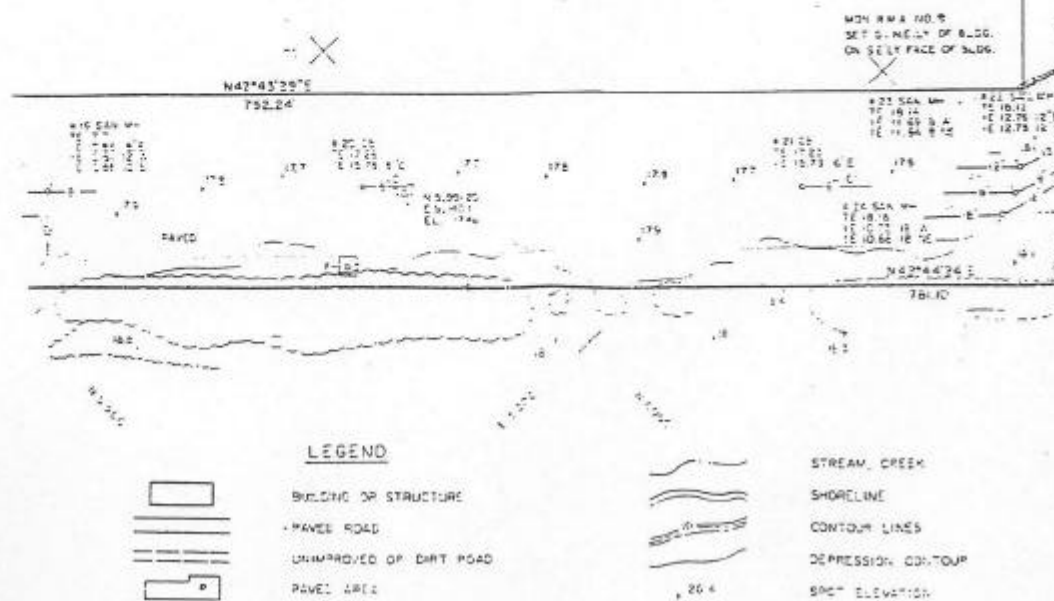
DRAFT RECORDS SEARCH
 POTENTIAL HAZARDOUS SUBSTANCE
 CONTRIBUTIONS TO COMMENCEMENT BAY
 NEARSHORE/TIDEFLATS SUPERFUND SITE
 BY NAVAL ACTIVITIES IN THE
 COMMENCEMENT BAY AREA
 TACOMA, WASHINGTON

SEARCHED BY
 REID, MIDDLETON & ASSOC. INC.

IF SHEET IS LESS THAN
 28" X 40"
 IT IS A REDUCED PRINT —
 SCALE REDUCED ACCORDINGLY

DOCK	
PIPE	
SHED	
WATERWAY	
WATERWAY	

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 WESTERN DIVISION
 SAN DIEGO, CALIFORNIA



HYLEBOS



DRAFT RECORDS SEARCH
POTENTIAL HAZARDOUS SUBSTANCE
CONTRIBUTIONS TO COMMENCEMENT BAY
NEARSHORE/TIDEFLATS SUPERFUND SITE
BY NAVAL ACTIVITIES IN THE
COMMENCEMENT BAY AREA
TACOMA, WASHINGTON

SURVEY BY
REID, WILSON, & ASSOC., INC.

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28" X 40"
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SCALE REDUCED ACCORDINGLY

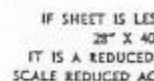
DATE	DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING
BY	WESTERN DIVISION	SAN BRUNO, CALIFORNIA
CHKD		
APP		

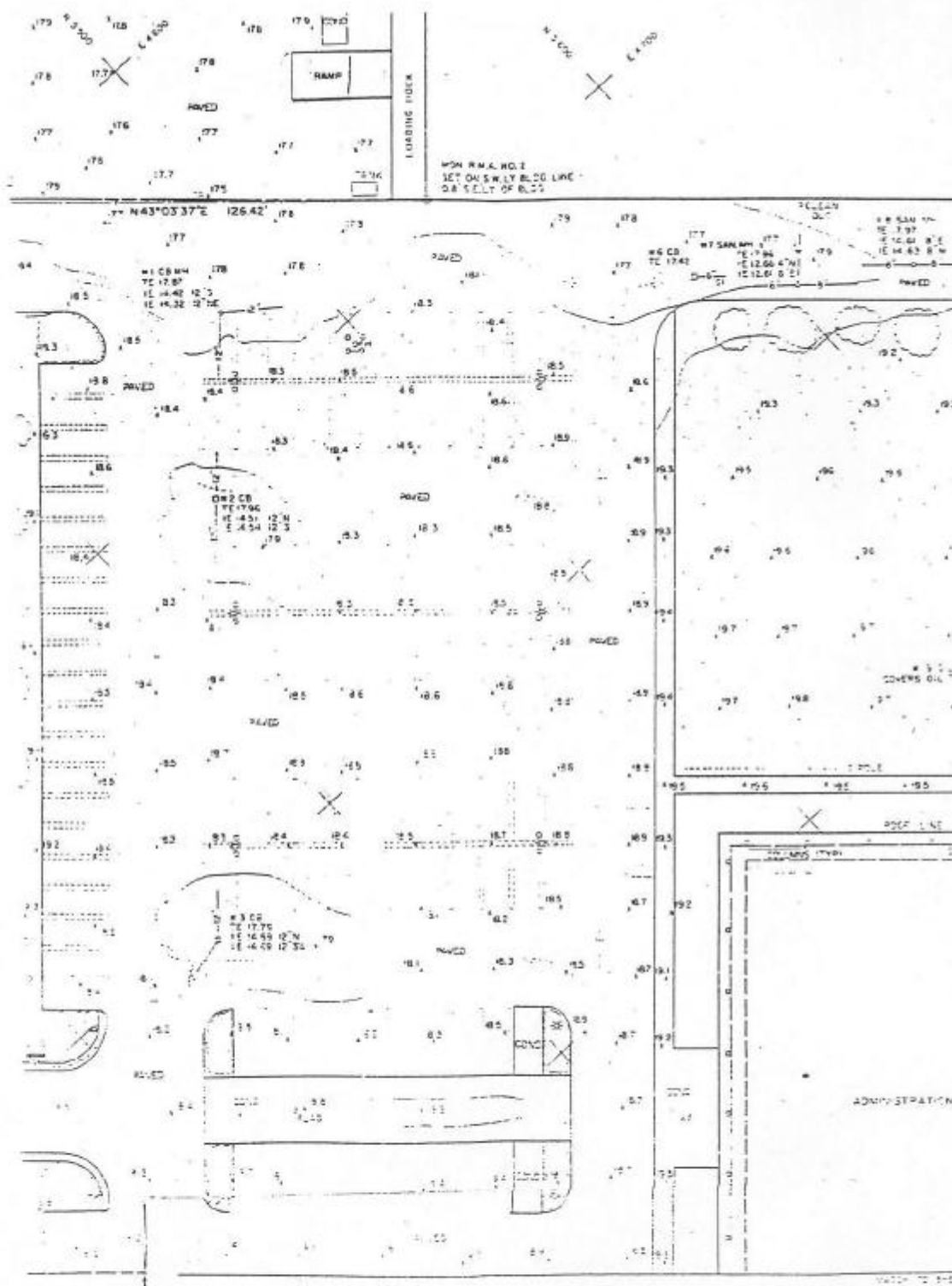
ALEXANDER AVE.

EAST ELEVENTH ST.

LEGEND

- | | | | |
|---|-------------------------|---|----------------|
|  | BUILDING OR STRUCTURE |  | STREAM |
|  | PAVED ROAD |  | SHORELINE |
|  | UNIMPROVED OR DIRT ROAD |  | CONTOUR |
|  | RELIEF AREA |  | DEPRESSION |
|  | CULVERT |  | SPOT ELEVATION |
|  | STATION |  | ELEVATION |
|  | BRIDGE |  | EAST STAND |
| | | | PROPERTY |





LEGEND

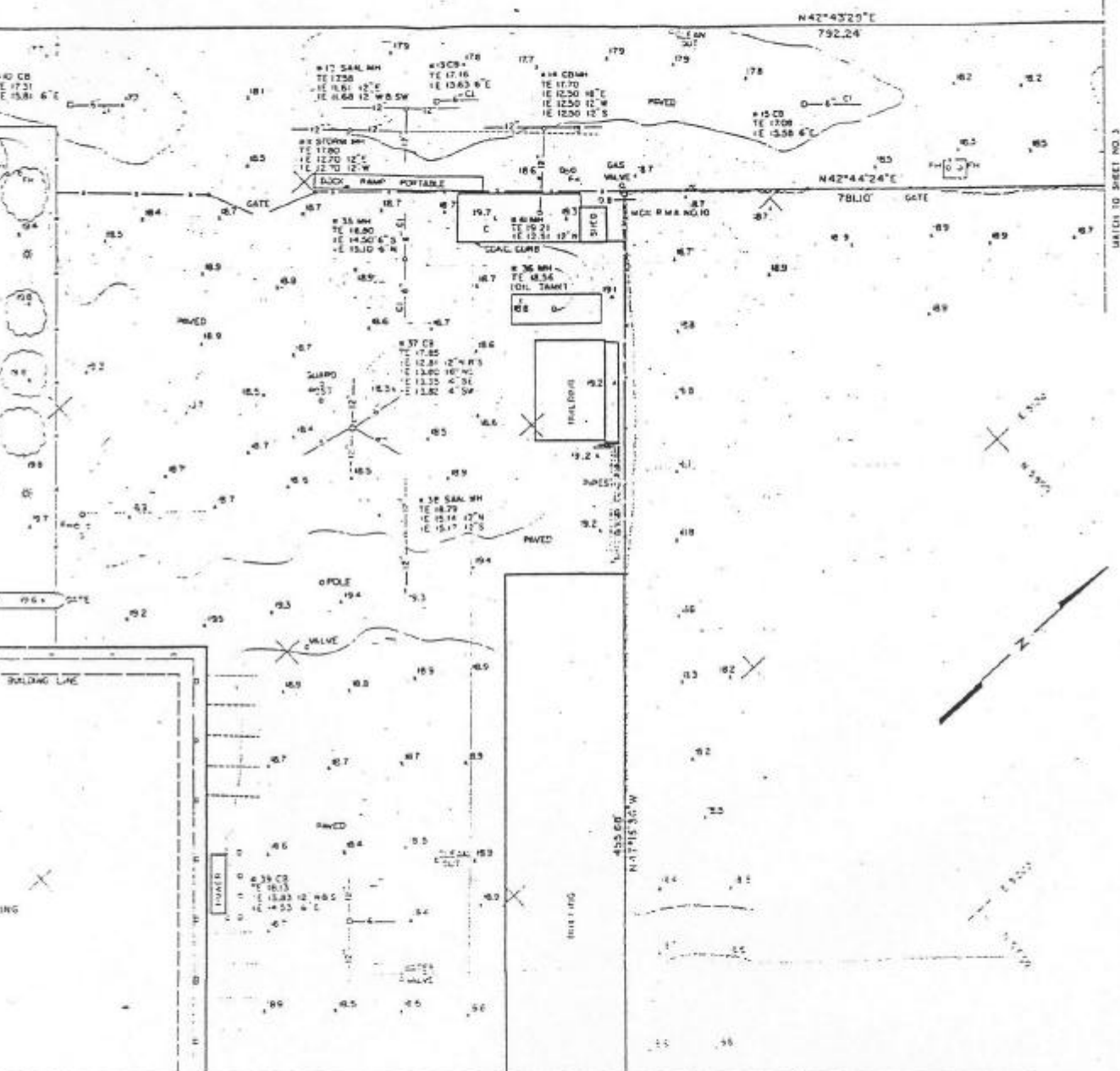
WATER TO S.W.

WATER TO S.W.

WATER TO S.W.

WATER TO S.W.

DRAWN
POT
CON
NEA
BY
CON



RECORDS SEARCH
FEDERAL HAZARDOUS SUBSTANCE
CONTRIBUTIONS TO COMMENCEMENT BAY
ORE/TIDEFLATS SUPERFUND SITE
CLEANUP ACTIVITIES IN THE
COMMENCEMENT BAY AREA
WASHINGTON

1 SHEET IS LESS THAN
20" X 40"
2. A REDUCED PRINT —
SCALE REDUCED ACCORDINGLY

WESTERN DIVISION



DEPARTMENT OF THE NAVY

ENGINEERING FIELD ACTIVITY, NORTHWEST
NAVAL FACILITIES ENGINEERING COMMAND
3505 NW ANDERSON HILL ROAD
SILVERDALE, WA 98383-9130

8.7.2.62.1

Handwritten signature

21 July 1993

RECEIVED

JUL 23 1993

HAZARDOUS WASTE DIVISION

CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Randall F. Smith, Director
Hazardous Waste Division
Environmental Protection Agency
Region 10
1200 Sixth Avenue
Seattle, WA 98101

Re: COMMENCEMENT BAY NEARSHORE/TIDEFLATS SUPERFUND
SITES (CB/NT)

Dear Mr. Smith:

The Environmental Protection Agency's General Notice letter of April 24, 1989 notified the U.S. Navy and Marine Corps Center in Tacoma, Washington that it is a potentially responsible party (PRP) for the Commencement Bay/Tideflats Superfund Site. That letter also requested "all existing . . . photos of property and operations" of the Reserve Center.

The Naval Facilities Engineering Command, Engineering Field Activity Northwest, is responsible for assisting the Reserve Center with regard to their status as a PRP. The enclosed photograph has recently come into our possession and was not in our original information submittal to EPA in 1989. The photograph was reprinted in the March 19, 1993 edition of the Puget Sound Navy News, courtesy of the Bremerton Naval Museum. It was taken on April 8, 1957 and depicts the Tacoma Naval Station. The Reserve Center occupied approximately nine acres of the Naval Station site at the intersection of East 11th Street and Alexander Avenue.

As discussed in our original submission, the Naval Station Tacoma has been closed. Most of the property was reported excess to the General Services Administration on October 1, 1958. The Reserve Center has remained in operation at the site to the present.

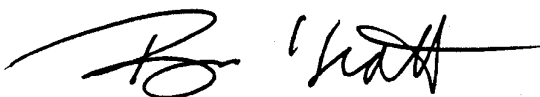
On a separate issue, the Special Notice letter dated June 21, 1993 requested information on any releases to the environment on the Reserve Center property since our original submission. As the enclosed oil spill report states, on 16 March 1993, four gallons of oil were spilled

at the Reserve Center pier into the Hylebos Waterway and contained with an oil boom. As the report indicates, EPA was notified.

To the best of my knowledge, no environmental investigations not described in our earlier submission to EPA's previous information request in 1989 have been conducted.

If you have any questions, please do not hesitate to contact Ms Renee Pahl. She can be reached at (206) 396-5984.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Scott", with a stylized flourish at the end.

BRIAN M. SCOTT
Lieutenant Commander
Civil Engineer Corps, USN
(Acting) Head, Environmental
Department

Encl:

- (1) Reprinted photograph of Tacoma Naval Station
- (2) Oil spill report

Copy to:

Carol Rushin, Chief
Superfund Remedial Branch

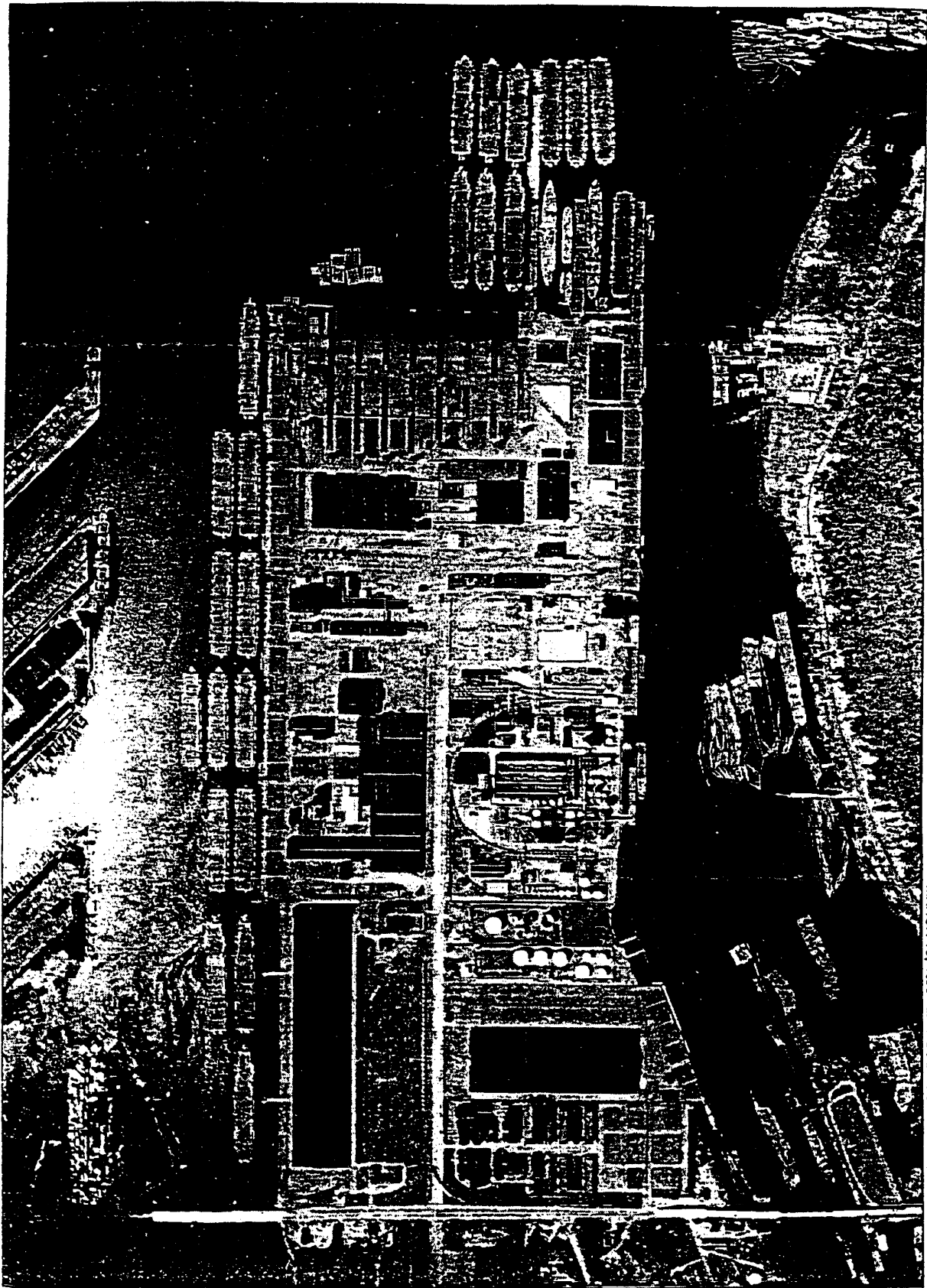


Photo courtesy of Bremerton Naval Museum

Birdseye view of old birdfarms: Twenty-three different carriers and carrier escorts were in port or in mothballs in this aerial photograph taken of the Tacoma Naval Station on April 8, 1957. According to Tacoma resident and retired Navy Adm. James Russell, many of the ships pictured are of the "commencement Bay" class of carrier escorts and were built at a Todd Shipyard facility in Tacoma. They were designed as oilers and tankers, but were later configured as carriers. Their holding tanks would be filled with fresh water as ballast. That, and the fact the carrier escorts had rudders that were small and angled, they were too close together made them a challenge to maneuver. "But they were the job."

ENCLOSURE (1)

RTTUZYUW RHWISGG7869 0752100-UUUU--RHWINCH.

UUUUU

2100Z MAR 93 ZYB PSN 690859Z37

FM USS IMPLICIT

TO RHWIHIH/COMNAVBASE SEATTLE WA
RULSJGA/COMDT COGARD WASHINGTON DC
RHWIFUA/COGARD MSO PUGET SOUND WA
INFO RHWIHJE/SOPA ADMIN PUGET SOUND SEATTLE WA
RHWIFUA/EPA SEATTLE WA
RHFJBSC/COMINWARCOM CHARLESTON SC
RHWIHJB/COMCMGRU ONE
RHHMHAH/CINCPACFLT PEARL HARBOR HI
RHWIGNA/COMSUBGRU NINE
RUEAHOF/COMNAVFACENGCOM ALEXANDRIA VA
RUWFPAA/NEESA PORT HUENEME CA
RUCLRFA/DEPARTMENT OF ECOLOGY
STATE OF WASHINGTON
4350 150TH AVENUE NE
REDMOND WA 98052-5301
RUWDXBB/SIMA SAN DIEGO CA
RHWINCH/ENGFLDACT NW SILVERDALE WA
PAGE 02 RHWISGG7869 UNCLAS
RHHMDBA/COMSUBPAC PEARL HARBOR HI
RUENAAA/CNO WASHINGTON DC
RULSSEA/COMNAVSEASYS COM WASHINGTON DC
RUWMPFA/COMINEDIV FIVE ONE
ACCT NA-CNRF

BT

UNCLAS //NO5090//

YTD/GENADMIN/IMPLICIT//

Y/OIL SPILL REPORT (REPORT SYMBOL OPNAV 5090-2)//

CNO FOR OP-45, CHINFO

NAVFAC FOR NEESA 112

NAVSEA FOR OOC

RMKS/1. 161848ZMAR93.

2. USS IMPLICIT (MSO 455) 07985

3. US GOVERNMENT PIER NMCRC, HYLEBOS WATERWAY.

4. 4 GALLONS 9250 LUBE OIL

5. I. LUBE OIL 9250

6. E. ENGINE START-UP.

7. C. EQUIPMENT FAILURE: NUMBER 2 MAIN PROPULSION DIESEL ENGINE LUBE
OIL PEDESTAL BRG COOLER RUPTURED ALLOWING 4 GALLONS OF 9250 TO FLOW

PAGE 03 RHWISGG7869 UNCLAS

OVERBOARD VIA THE SALT WATER COOLING SYSTEM. ENGINE WAS SECURED
IMMEDIATELY.

8. A. FAINT COLOR.

B. 133 DEGREES TRUE/ 2 KNOTS

C. 0 TO 1 FOOT.

D. 133 DEGREES TRUE/ 1 KNOT.

9. A. HYLEBOS WATERWAY.

B. NONE.

C. NONE.

10. REPORT WAS MADE TO NATIONAL RESPONSE CENTER FILE NUMBER 162517.

11. SAMPLES WERE NOT TAKEN.

12. CONTAINMENT METHOD: F. SPILL WAS CONTAINED USING OIL BOOM.

13. C AND D.

14. A. USS IMPLICIT ASSIGNED PERSONNEL.

B. NONE.

C. USS IMPLICIT (MSO 455) POC LCDR D.W. CLUTE COMM: 206-383-1820.//

BT

#7869

NNNN

DLVR:ENGFLDACT NW SILVERDALE WA(1)...INFO

RTD:021-000/COPIES:0001

